FNH USA
FNAR

AUTOLOADING RIFLE
OWNER'S MANUAL

Important operating instructions for:

FNH USA FNAR AUTOLOADING RIFLES

If you have any questions or comments regarding your new firearm, please contact us.

FNH USA, LLC, (703) 288-1292, extension 122, www.fnhusa.com

Please use the space below to record information about your new firearm.

Model _____

Serial Number_____

Purchased From _____

Date of Purchase_____

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1. FOREWORD

We are pleased that you have chosen a FNH USA FNAR autoloading rifle. Based in sound firearm design, the FNAR stands for the highest level of reliability, consistent accuracy, functional design and provides the operating precision and safety expected from an FNH USA firearm.

Simple in design, the rifle is very easy to maintain. With a reasonable amount of care, your FNH USA FNAR should give you many years of dependable, enjoyable service.

In order to take maximum advantage of the many features of your FNAR, regularly review this owner's manual.

Please contact us if you have any observations or questions regarding the performance or the operation of your rifle.

Thank you.

2. CONTENTS OF THE STORAGE CASE

The rifle and its accessories are supplied in a polymer storage case.

The contents of the storage case include:

- Rifle
- Safety lock and two keys (Use the safety lock to safely store and transport the rifle. Always keep the keys at a safe place.)
- One 20-round magazine
  (One 10-round magazine where required by law)
- Three interchangeable cheekpieces
- Three interchangeable recoil pads
- Six stock adjustment shims to customize the fit of the rifle
  (shim 2 is mounted on the rifle)
- Owner's manual

3. SAFETY AND WARRANTY NOTES

⚠WARNING

LIKE ALL FIREARMS IF HANDLED IN A CARELESS OR RECKLESS MANNER THE FNAR CAN BE VERY DANGEROUS.

For that reason, the rifle has been sold under the express understanding that FNH USA declines any responsibility and invalidates any guarantee and liability claims for incidental or consequential damages, injuries, loss of use of property, commercial loss, loss of earnings and profits, resulting in whole or partly from:

- the use of reloaded ammunition
- a discharge with criminal intent or through negligence
- improper or careless handling
- unauthorized servicing
- the modification or the alteration of the basic rifle design
- the use of non-original parts
- the manipulation of the "safety" devices
- the use of incorrect "arms and ammunition" combinations
- the use of defective or unsafe ammunition
- an inadequate care of the rifle (e.g. corrosion, damage.)
- a disregard of malfunctions
- a resale in contradiction to legislation
- other circumstances beyond our direct and immediate control

NOTICE! **FNH USA RESERVES THE RIGHT TO REFUSE SERVICING A RIFLE WHICH HAS BEEN MODIFIED BY REMOVAL OF METAL FROM THE BARREL, MODIFICATIONS OF THE FIRING MECHANISM AND/OR OTHER PARTS, AND WILL, IN SUCH A CASE, ALWAYS RECOMMEND RESTORING THE RIFLE TO ITS ORIGINAL SPECIFICATIONS. PARTS AND LABOR REQUIRED FOR SUCH A RESTORATION ARE PAYABLE BY THE OWNER OF THE RIFLE.**

4. FIREARM SAFETY INFORMATION

⚠WARNING

FAILURE TO FOLLOW ANY OF THE FOLLOWING WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

As a firearm owner, you accept a set of demanding responsibilities. How seriously you take these responsibilities can be the difference between life and death.

There is no excuse for careless or abusive handling of any firearm. At all times handle this firearm and all other firearms with intense respect for their power and potential danger.

Please read and understand all of the cautions, warnings, notices, proper handling procedures and instructions outlined in this owner's manual before using your new firearm.

1 ALWAYS KEEP THE MUZZLE OF YOUR FIREARM POINTED IN A SAFE DIRECTION EVEN THOUGH YOU ARE CERTAIN IT IS UNLOADED.

Never point any firearm at anything you do not intend to shoot. Be extremely alert and aware of all persons and property within the range of your ammunition.

2 NEVER RELY TOTALLY ON YOUR FIREARM'S MECHANICAL "SAFETY" DEVICES. LIKE ANY MECHANICAL DEVICE, A "SAFETY" CAN SOMETIMES FAIL; IT CAN BE JARRED OR INADVERTENTLY MANIPULATED INTO AN UNSAFE CONDITION.

The word "safety" describes a firearm's trigger block mechanism, sear block mechanism, hammer block mechanism or firing pin block mechanism. Mechanical "safeties" are designed to place your firearm in a safer status, and no guarantee can be made that the firearm will not fire even if the "safety" is in the on safe position. Mechanical "safeties" merely aid safe gun handling and are no excuse for pointing your firearm's muzzle in an unsafe direction. See Section 9 for instructions on the operation of this firearm's "safety."

Remember, safe gun handling does not stop with your firearm's mechanical "safety" devices, it starts there. Always treat this firearm with the respect due a loaded, ready-to-fire firearm.

Some firearms do not have a mechanical safety. Many target firearms, lever-action firearms and rifles do not have manual "safety" mechanisms. Therefore it is critical to read and understand the owner's manual for every firearm which explains the safe operation of the firearm.

While it is a good idea to "test" your firearm's mechanical "safety" periodically for proper function, never test the "safety" while your firearm is loaded or pointed in an unsafe direction.

3 WHENEVER YOU HANDLE ANY FIREARM, OR HAND IT TO SOMEONE, ALWAYS OPEN THE ACTION IMMEDIATELY AND VISUALLY CHECK THE FIREARM'S CHAMBER AND MAGAZINE TO MAKE CERTAIN THAT THE FIREARM IS COMPLETELY UNLOADED.

Make certain the firearm does not inadvertently contain any ammunition. Always keep the chamber empty and the "safety" in the on safe position unless shooting is imminent.

If your firearm is equipped with a detachable magazine, be aware that removing the magazine does not mean your firearm is completely unloaded, a cartridge could be in the chamber. Always remove the magazine, open the action and visually inspect the chamber to make certain the firearm is completely unloaded.

4 ALWAYS WEAR EYE AND HEARING PROTECTION WHEN SHOOTING.

Unprotected, repeated exposure to gunfire can cause hearing damage. Wear ear protectors (shooting earplugs or muffs) to guard against such damage.

Wear shooting glasses to protect your eyes from flying particles. Allow proper distance (eye relief) between a scope and your eye when firing a scoped rifle, rifle or shotgun. Do not use unorthodox shooting methods that could cause the rearward travel of the slide or bolt of a firearm to contact your eyes, face or hands. Always keep a safe distance between the muzzle of your firearm and any persons nearby, as muzzle blast, debris and ejecting shells could inflict serious injury.

Always wear eye protection when disassembling and cleaning your rifle to prevent the possibility of springs, spring-tensioned parts, solvents or other agents from contacting your eyes.

5 KEEP ALL FIREARMS UNLOADED DURING TRANSPORT, EVEN WHEN STORED IN A HOLSTER, GUN CASE, SCABBARD OR OTHER CONTAINER.

For law enforcement and military personnel, refer to the procedures of your department on carrying a loaded firearm.

6 DROPPING OR JARRING A LOADED FIREARM CAN CAUSE AN ACCIDENTAL DISCHARGE.

This can occur even with the "safety" in the on safe position or the hammer in the decocked position. Be extremely careful while hunting or during any shooting activity, to avoid dropping any firearm.

7 SHOOTING FROM ELEVATED SURFACES IS DANGEROUS.

Doing so may increase the risk of mishandling a firearm. The following rules should always be observed. Always make certain that the surface being used is safe and stable. Always make certain that your firearm is unloaded when it is being taken up and down from the surface. Always make certain that your firearm is not dropped from the surface, or dropped while it is being taken up or down from the surface. Remember, a loaded firearm may discharge when dropped, even with the "safety" in the on safe position.

8 STORE YOUR FIREARM AND AMMUNITION SEPARATELY, WELL BEYOND THE REACH OF CHILDREN.

Take prudent safeguards to ensure your firearm does not become available to untrained, inexperienced or unwelcome hands. Store all firearms in secure, locked cases or a gun safe. Keep your firearm unloaded when not in use. At all times, comply with local and state laws.

For law enforcement and military personnel, refer to the procedures of your department on storing your firearm.

9 BEWARE OF BARREL OBSTRUCTIONS.

Mud, snow and an infinite variety of other objects may inadvertently lodge in a barrel bore. It only takes a small obstruction to cause dangerously increased pressures that can damage your firearm and cause serious injury to yourself and others.

BEFORE CHECKING FOR A BARREL OBSTRUCTION, BE CERTAIN YOUR FIREARM IS COMPLETELY UNLOADED, THERE IS NOT A LIVE CARTRIDGE IN THE CHAMBER AND THE "SAFETY" IS IN THE ON SAFE POSITION.

Completely unload the firearm as described in Section 15.1. After assuring yourself that the firearm is completely unloaded, open the breech or action and look through the barrel to be sure it is clear of obstructions. If an obstruction is seen, no matter how small it may be, clean the bore with a cleaning rod and patch as described in Section 18.1. of this owner's manual.

10 BE ALERT TO THE SIGNS OF AMMUNITION MALFUNCTION. IF YOU DETECT AN OFF SOUND OR LIGHT RECOIL WHEN A CARTRIDGE IS FIRED, DO NOT LOAD ANOTHER CARTRIDGE INTO THE CHAMBER.

If your firearm fails to fire, keep the muzzle pointed in a safe direction for a minimum of 30 seconds. Carefully open the action and remove the cartridge from the chamber, and completely unload the firearm as described in Section 15.1. If the primer is indented, the defective cartridge should be disposed of in a way that cannot cause harm.

If the primer is not indented, your firearm should be examined by a qualified gunsmith and the cause of the malfunction corrected before further use. Glance down the barrel to make sure that there are no obstructions in the barrel. If there is an obstruction, completely clear the barrel before loading and firing again. Failure to follow these instructions can cause extensive damage to your firearm and possible serious injury to yourself and others.

11 NEVER INSERT A CARTRIDGE OF THE INCORRECT CALIBER INTO ANY FIREARM.

The caliber of your firearm is marked on the barrel. Store all cartridges of different calibers in completely separate and well-marked containers. Never store cartridges of mixed calibers in a common container or in your pockets. See Section 11 for more information on the correct ammunition for your firearm.

12 EXAMINE EVERY CARTRIDGE YOU PUT IN YOUR FIREARM.

We assume no responsibility for the use of unsafe or improper firearm and ammunition combinations or damage or injury caused by damaged ammunition. It is your responsibility to read and heed all warnings in this owner's manual and on ammunition boxes. See Section 11 for more information on the correct ammunition for your firearm.

13 USE ONLY SAAMI APPROVED AMMUNITION.

The barrel and action of this rifle have been made with substantial safety margins over the pressures developed by established American commercial loads. Nevertheless, we can assume no liability for incidents which occur through the use of cartridges of nonstandard dimensions or which develop pressures in excess of commercially available ammunition which has been loaded in accordance with standards established by the Sporting Arms and Ammunition Manufacturers' Institute (SAAMI).

14 MAKE SURE OF ADEQUATE VENTILATION IN THE AREA THAT YOU DISCHARGE A FIREARM. LEAD EXPOSURE CAN OCCUR FROM DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS OR HANDLING AMMUNITION.

Lead is a substance that has been known to cause birth defects, reproductive harm and other serious injury. Wash hands thoroughly after exposure to ammunition or after cleaning a firearm.

15 DO NOT SNAP THE FIRING PIN ON AN EMPTY CHAMBER: THE CHAMBER MAY NOT BE EMPTY!

Treat every firearm with the respect due to a loaded firearm, even though you are certain the firearm is unloaded.

16 KEEP YOUR FINGERS AWAY FROM THE TRIGGER AT ALL TIMES UNTIL SHOOTING IS IMMINENT.

17 BE SURE OF YOUR TARGET AND BACKSTOP, PARTICULARLY DURING LOW LIGHT PERIODS.

Know the range of your ammunition. Never shoot at water or hard objects.

18 ALWAYS UNLOAD YOUR FIREARM'S CHAMBER BEFORE CROSSING A FENCE, CLIMBING A TREE, JUMPING A DITCH OR NEGOTIATING OTHER OBSTACLES.

Never place your firearm on or against a fence, tree, car or other similar object.

For law enforcement and military personnel, refer to the procedures of your department.

19 BE DEFENSIVE AND ON GUARD AGAINST UNSAFE GUN HANDLING AROUND YOU AND OTHERS.

Don't be timid when it comes to gun safety. If you observe other shooters violating any of these safety precautions, politely suggest safer handling practices.

20 BE CERTAIN YOUR FIREARM IS UNLOADED BEFORE CLEANING.

Because so many gun accidents occur when a firearm is being cleaned, special and extreme care should be taken to be sure your firearm is unloaded before disassembly, cleaning and reassembly. Keep ammunition away from the cleaning location. Never test the mechanical function of any firearm with live ammunition.

21 TEACH AND SUPERVISE FIREARMS SAFETY TO ALL MEMBERS OF YOUR FAMILY, ESPECIALLY TO CHILDREN AND NON-SHOOTERS.

Closely supervise newcomers to the shooting sports. Encourage enrollment in hunting and shooting safety courses.

22 NEVER DRINK ALCOHOLIC BEVERAGES OR TAKE ANY TYPE OF DRUGS BEFORE OR DURING SHOOTING.

Your vision, motor skills and judgment could be dangerously impaired, making your gun handling unsafe to you and to others.

23 READ AND HEED ALL WARNINGS IN THIS OWNER'S MANUAL, ON AMMUNITION BOXES AND WITH ALL ACCESSORIES THAT YOU INSTALL ON YOUR FIREARM.

It is your responsibility to secure the most up-to-date information on the safe handling procedures for your FNH USA firearm.

We assume no liability for incidents which occur when unsafe or improper rifle accessories or ammunition combinations are used.

24 PRACTICE PERIODIC MAINTENANCE, AVOID UNAUTHORIZED SERVICING.

Your firearm is a mechanical device which will not last forever, and as such, is subject to wear and requires periodic inspection, adjustment and service. FNH USA firearms should be serviced by the FNH USA Product Service Center in Arnold, Missouri.

We cannot assume any responsibility for injuries suffered or caused by unauthorized servicing, alterations or modifications of FNH USA firearms.

25 WE RESERVE THE RIGHT TO REFUSE SERVICE ON FIREARMS THAT HAVE BEEN ALTERED, ADDED TO OR SUBSTANTIALLY CHANGED.

Removal of metal from the barrel or modifications of the firing mechanism and/or operating parts may lead to a refusal of service on such firearms. We will charge the owner for parts and labor to return the firearm to original FNH USA specifications.

DO NOT, UNDER ANY CIRCUMSTANCES, ALTER THE TRIGGER, SAFETY OR OTHER PARTS OF THE FIRING MECHANISM OF THIS OR ANY OTHER FIREARM. FAILURE TO OBEY THIS WARNING MAY RESULT IN INJURY OR DEATH TO YOURSELF OR OTHERS.

BE CAREFUL!

5. DESCRIPTION AND OPERATION

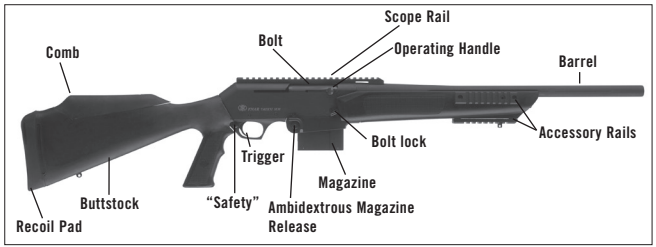
5.1. DESCRIPTION

The FNH USA FNAR is a gas-operated, semi-automatic repeating rifle. The origins of the FNAR can be traced back to John M. Browning's BAR, a rifle that served with distinction through both World Wars, Korea and other conflicts. The ergonomically-designed pistol grip stock of the FNAR is designed with dimensions to suit those operators familiar with the M16/M4 platform.

5.2. OPERATION

When the trigger is pulled, the firing pin strikes the primer of the cartridge, resulting in the rifle firing. Gases from the fired cartridge travel down the barrel and some is diverted into the gas piston which then sends the inertia block rearward to operate the bolt. During the rearward movement of the bolt, the empty cartridge case is ejected out of the ejection port. If there is a cartridge in the magazine, the bolt then returns forward by the force of the recoil spring, picks up a cartridge from the magazine and loads it into the chamber, ready to be fired. If there is not a cartridge in the magazine during this movement, the bolt lock engages and the bolt remains open.

FIGURE 1



With cartridges in the magazine and chamber, and the "safety" in the off safe position, the rifle will fire a single round with each successive pull of the trigger until the magazine and chamber are empty. When the last round has been fired, the bolt will lock in the rearmost, open position. This allows fast, convenient reloading.

6. NOMENCLATURE

In conventional firearm terminology the position and movement of parts are described as they occur with the firearm horizontal and in normal firing position; i.e., the muzzle is forward or in front; the buttstock is rearward or to the rear; the trigger is downward or underneath; the barrel is upward or on top. For general parts nomenclature, refer to Figure 1.

7. SERIAL NUMBER

The serial number is located on the left side of the receiver, just above the trigger. Record the serial number at the front of this owner's manual for future reference.

8. INITIAL CLEANING

⚠WARNING

WEAR EYE PROTECTION WHEN ASSEMBLING AND DISASSEMBLING YOUR RIFLE TO PREVENT SPRINGS, SPRING-LOADED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

Various exposed metal parts of this rifle have been coated at the factory with a rust preventative compound. Before using the rifle, clean the anti-rust compound from the inside of the barrel, receiver, bolt and the action/chamber areas with a high-quality, lightweight gun oil as explained in Section 18.1.

If your rifle is to be stored, it is acceptable to leave the rust preventative compound on the rifle and keep it in its original packaging. Never fire the rifle upon purchase without cleaning it first. If the rifle contains hardened grease or other substances that you cannot remove, have the rifle checked by your dealer or departmental armorer.

For law enforcement and military personnel, refer to the procedures of your department.

9. OPERATION OF THE "SAFETY"

⚠WARNING

ALWAYS KEEP THE "SAFETY" IN THE ON SAFE POSITION UNLESS SHOOTING IS IMMINENT. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

The FNAR rifle utilizes a "safety" located on the trigger guard just rearward of the trigger. (Figure 2). This location is easily manipulated with the index finger of either hand. With the "safety" pushed completely to the right, the

FIGURE 2

"Safety" shown in the on safe position.

FIGURE 3

"Safety" shown in the off safe position.

rifle is in the “on safe” position, and rearward movement of the trigger is completely blocked.

With “safety” pushed completely to the left the rifle is off safe and ready to fire. In the off safe position a band of red is visible on the “safety” where it projects beyond the left face of the trigger guard (Figure 3).

⚠WARNING

DO NOT DEPEND ON THE RED COLOR ALONE TO INDICATE YOUR FIREARM’S SAFETY STATUS. TIME, EXPOSURE TO THE ELEMENTS, AND THE ABRASIVE ACTION OF CLEANING AGENTS CAN ERASE IT. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS INJURY OR DEATH.

To accommodate left-handed shooters the “safety” can be reversed from right- to left-handed by a qualified gunsmith. When installed, the left-handed “safety” will have the “safety” button’s red warning band on the right side of the trigger guard.

⚠WARNING

THE “SAFETY” MAY HAVE BEEN REVERSED FOR A LEFT-HANDED SHOOTER. PLEASE TAKE TIME TO INSPECT YOUR RIFLE’S “SAFETY” FOR THE POSITIONING MENTIONED ABOVE. FAILURE TO FOLLOW THIS WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

10. BOLT LOCK

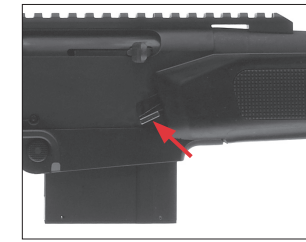
⚠WARNING

WHEN USING THE BOLT LOCK ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION AND KEEP YOUR FINGERS AWAY FROM THE TRIGGER. UNLESS SHOOTING IS IMMINENT, ALWAYS REMOVE THE MAGAZINE FROM THE RIFLE BEFORE CLOSING THE BOLT TO PREVENT INADVERTENTLY LOADING A CARTRIDGE FROM THE MAGAZINE INTO THE CHAMBER.

MAKE SURE YOUR FINGERS ARE SAFELY AWAY FROM THE EJECTION PORT AT ALL TIMES WHEN THE BOLT IS LOCKED OPEN AND WHEN THE BOLT IS RELEASED TO AVOID PINCHING THEM WHEN THE BOLT CLOSES.

FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

FIGURE 4



Location of the bolt lock.

The bolt lock is located on the right side of the receiver, just to the rear of the forearm (Figure 4). It automatically engages after the last cartridge in the magazine has been fired and locks the bolt to the rearmost, open position.

The bolt lock can also be used to lock the bolt in the rearward position when the magazine is removed. To lock the bolt in the open or rear position, pull the operating handle all the way to the rear and press upward on the bolt lock.

To release the bolt when no magazine is in the rifle and the bolt is locked rearward, pull the operating handle to the rear to disengage the bolt lock and release the handle. This will allow the bolt to return to the forward position.

11. AMMUNITION

⚠WARNING

DO NOT USE AMMUNITION OTHER THAN WHAT IS INSCRIBED ON THE SIDE OF THE BARREL. EXAMINE EVERY CARTRIDGE YOU PUT IN YOUR FIREARM.

DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES

KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER HANDLING AMMUNITION.

The barrel and action of this rifle have been made with substantial safety margins over the pressures developed by established American loads. However, we assume no responsibility for incidents which occur through the use of cartridges of nonstandard dimension or those developing pressures in excess of SAAMI (Sporting Arms and Ammunition Manufacturers' Institute) established standards.

12. MAGAZINE CAPACITY

The FNAR magazine is unique for the rifle and should not be used in other rifles. No other magazine type should be used in your rifle. The specialized design makes the magazine highly reliable and results in easy maintenance and cleaning.

FNAR rifles have a standard magazine capacity of 20 cartridges. However, some jurisdictions limit the magazine capacity to 10 cartridges. All FNAR rifles sold in those jurisdictions will be shipped with limited capacity magazines in compliance with local or state law. Make sure you have verified the capacity of your magazine before loading it in your rifle.

13. LOADING

⚠WARNING

WHEN LOADING YOUR RIFLE ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION, ALWAYS PLACE THE "SAFETY" IN THE ON SAFE POSITION AND KEEP YOUR FINGERS AWAY FROM THE TRIGGER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

DO NOT CARRY YOUR RIFLE WITH A CARTRIDGE IN THE CHAMBER TO AVOID ACCIDENTAL DISCHARGE. WHEN FIRING IS NO LONGER IMMINENT, PLACE THE "SAFETY" IN THE ON SAFE POSITION AND UNLOAD THE CHAMBER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

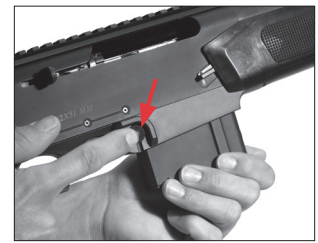
13.1. LOADING THE MAGAZINE

⚠WARNING

DO NOT INSERT THE MAGAZINE INTO THE RIFLE, NOR LOAD A CARTRIDGE INTO THE CHAMBER, UNLESS SHOOTING IS IMMINENT.

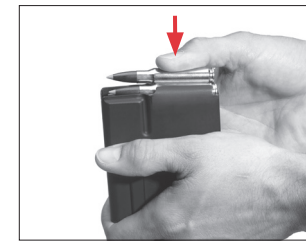
1. Place the "safety" in the on safe position.
2. Press the ambidextrous magazine release located just in front of the trigger guard on the magazine block (Figure 5). Remove the magazine with your free hand.
3. Pull the bolt completely rearward and inspect the chamber to make sure it is empty. Return the bolt to the forward, closed position.

FIGURE 5



Eject the magazine by pushing on the ambidextrous magazine release.

FIGURE 6



Press each cartridge straight down into the magazine until it is retained by the magazine lips.

4. Load the cartridges into the magazine by placing a cartridge on the top of the retaining lips and, with your thumb, pushing it straight down against the force of the follower spring until it locks into position under the retaining lips (Figure 6). Continue to load the magazine in this manner.

   Care should be exercised in positioning each cartridge so that its base is flush with the rear of the magazine. If the nose of a cartridge protrudes beyond the front of the magazine, it could cause feeding problems or interfere with the insertion of the magazine into the rifle.

5. After loading the magazine, insert the magazine into the magazine block of the rifle until it locks in place.

13.2. LOADING THE CHAMBER FROM THE MAGAZINE

⚠WARNING

WHEN LOADING YOUR RIFLE ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION AND PLACE THE "SAFETY" IN THE ON SAFE POSITION. KEEP YOUR FINGERS AWAY FROM THE TRIGGER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

1. Make sure the "safety" is in the on safe position and the muzzle is pointed in a safe direction.

2. Lock the bolt in the open or rear position by pulling the operating handle all the way to the rear and pressing upward on the bolt release lever.

3. Insert the loaded magazine into the magazine block until it locks in place.

3. If shooting is imminent, a cartridge can now be moved from the magazine to the chamber by pulling back fully on the operating handle and releasing it, allowing the bolt to slam closed from the open position. If the bolt is not allowed to close in this manner, there is a possibility that it will not close completely, preventing the rifle from firing.

⚠WARNING

THE RIFLE IS NOW READY TO FIRE BY MOVING THE "SAFETY" TO THE OFF SAFE POSITION AND PULLING THE TRIGGER.

Verify the bolt is closed completely, make sure the operating handle is in front of the red bolt forward indicator dot located on the receiver near the ejection port (Figure 7). You should first practice this technique with an empty chamber.

14. FIRING

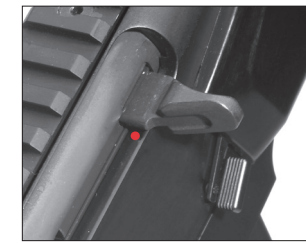
⚠WARNING

NEVER CHAMBER A CARTRIDGE OR MOVE THE "SAFETY" FROM THE ON SAFE POSITION UNLESS SHOOTING IS IMMINENT. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

1. Make sure the "safety" is in the on safe position and the muzzle is pointed in a safe direction.

2. Load a cartridge into the chamber as explained previously. With a cartridge in the chamber, you need only to move the "safety" to the off safe position to make the rifle ready for firing. Do not move the "safety" to the off safe position unless shooting is imminent.

FIGURE 7



Verify the bolt is fully forward.

⚠WARNING

THE RIFLE IS NOW READY TO FIRE BY MOVING THE "SAFETY" TO THE OFF SAFE POSITION AND PULLING THE TRIGGER.

3. When ready to fire, move the "safety" into the off safe position, take aim and squeeze the trigger.

4. After a cartridge has fired, the bolt automatically moves rearward, ejects the empty case, then returns forward, chambering a loaded cartridge from the magazine. Because fired cases are ejected to the right side, bystanders should not stand to the right of the shooter.

5. This operation is repeated each time you pull the trigger until the last cartridge from the magazine has been fired. If shooting is no longer imminent, immediately place the "safety" in the on safe position. See "Unloading" on page 21 for more information.

6. After the last cartridge is fired, the bolt will lock in the rearward position. If you wish to continue shooting, you can reload the rifle as described previously. After reloading the magazine, if shooting is imminent, you can chamber a cartridge and resume firing by pulling the operating handle fully rearward and releasing it. If your rifle is to be put away and stored, do not reload the rifle or magazine. The chamber and magazine must remain empty when storing your rifle.

⚠WARNING

AFTER FIRING, OR WHEN SHOOTING IS NO LONGER IMMINENT, IMMEDIATELY PLACE THE "SAFETY" IN THE ON SAFE POSITION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

EVEN WITH THE BOLT OPEN AFTER SHOOTING, DO NOT ASSUME THE RIFLE IS UNLOADED. ALWAYS INSPECT THE CHAMBER, BARREL, FEED MECHANISM AND MAGAZINE TO BE CERTAIN THE RIFLE IS COMPLETELY UNLOADED.

FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

15. UNLOADING

⚠WARNING

WHEN UNLOADING YOUR RIFLE ALWAYS PLACE THE "SAFETY" IN THE ON SAFE POSITION. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION AND YOUR FINGERS AWAY FROM THE TRIGGER. AFTER EJECTING THE MAGAZINE, ALWAYS INSPECT THE CHAMBER AND BARREL CAREFULLY TO BE SURE ALL LIVE CARTRIDGES ARE CLEARED FROM THE FIREARM. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

15.1. UNLOADING THE RIFLE

1. Make sure the "safety" is in the on safe position and the muzzle is pointed in a safe direction.

2. Press the ambidextrous magazine release and remove the magazine.

3. Pull rearward on the operating handle to draw the bolt to its rearmost, open position. This will extract and eject any live cartridge that may be in the chamber. Please note that the bolt will not automatically lock in the rearward position when the magazine is removed or when the magazine is loaded. As a good safety practice, hold the bolt open and visually expect the chamber to be absolutely certain a live cartridge is not present.

4. With the magazine removed and the chamber empty, close the bolt.

15.2. UNLOADING THE MAGAZINE

Unload the magazine by pushing the cartridges, one at a time, forward and out of the magazine.

16. MOUNTING ACCESSORIES

⚠WARNING

BEFORE MOUNTING A SCOPE, SIGHT OR OTHER ACCESSORIES ON YOUR RIFLE, PLACE THE "SAFETY" IN THE ON SAFE POSITION. EJECT THE MAGAZINE, OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

The FNAR is fitted with four MIL-STD 1913-pattern mounting rails to attach various accessories to the rifle. When installing accessories, follow the manufacturers mounting instructions.

17. STOCK ADJUSTMENT

⚠WARNING

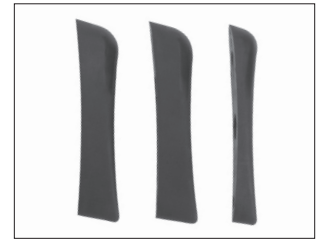
BEFORE PERFORMING STOCK ADJUSTMENT PROCEDURES, PLACE THE "SAFETY" IN THE ON SAFE POSITION. EJECT THE MAGAZINE, OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

The FNAR includes three recoil pads of different length, three combs of different height, and six shims to fine-tune cast and drop (shim 2 is on the rifle from the factory). These accessories allow the stock to be adjusted to fit the size of the operator.

17.1. ADJUSTING LENGTH OF PULL

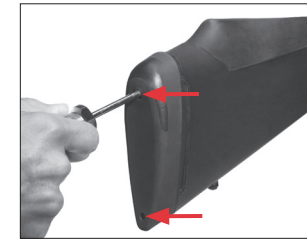
Three recoil pads have been included with your rifle to allow precise length of pull adjustments (Figure 8). The short recoil pad is ½" thick, the medium recoil pad is ¾" thick and the long recoil pad is 1" thick. The medium recoil pad is installed on the rifle from the factory. To install a recoil pad perform the following operation:

FIGURE 8



Three recoil pads are included with the FNAR.

FIGURE 9



Carefully remove the two screws that attach the recoil pad to the buttstock.

1. Make sure your rifle is completely unloaded and the "safety" is in the on safe position.

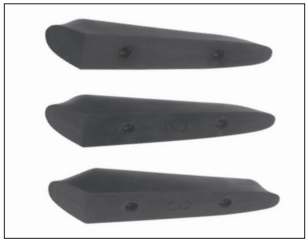
2. Use a #2 cross tip or Phillips screwdriver to remove the recoil pad at the end of the buttstock (Figure 9). Place a small amount of petroleum jelly on the screw access slits on the top and bottom of the rear of the buttstock to prevent damaging the recoil pad. Insert the screwdriver into each of the two access holes. Make certain the tip of the screwdriver engages the head of the screw. Turn the screw counterclockwise until the screw is completely loose from the stock. When both screws are free, remove the recoil pad and recoil pad base.

3. Install the new recoil pad to fit the rifle to your specifications. After making an adjustment hold the rifle to your shoulder to determine if the new length feels comfortable. Remember to always keep the muzzle pointed in a safe direction, the "safety" in the on safe position and make certain the rifle is completely unloaded.

4. When you are satisfied with the length of pull, start the screws through the pad and recoil pad base into the holes in the stock.

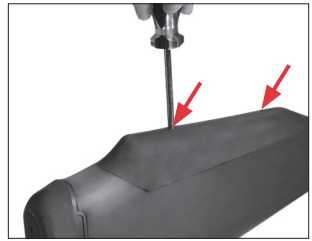
5. Attach the recoil pad to the stock using the screwdriver. Turn the screws clockwise to tighten. Do not overtighten the screws.

FIGURE 10



Three combs pads are included with the FNAR.

FIGURE 11



Carefully remove the two screws that attach the comb to the buttstock.

17.2. ADJUSTING COMB HEIGHT

Three combs have been included with your rifle to allow precise height adjustments to allow correct eye-to-optics alignment (Figure 10). Three combs are included with the FNAR, with 8mm height differences between each comb. Comb #1 is the lowest comb, #2 is the middle height and #3 is the tallest comb. The #2 comb is installed on the rifle from the factory. To install a comb perform the following operation:

1. Make sure your rifle is completely unloaded and the “safety” is in the on safe position.

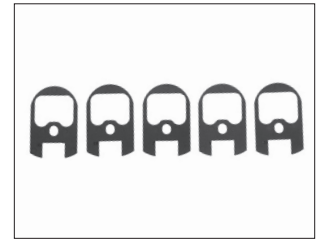
2. Use a #2 cross tip or Phillips screwdriver to remove the comb (Figure 11). Place a small amount of petroleum jelly on the screw access slits on the front and rear of the comb to prevent damaging the comb. Insert the screwdriver into each of the two access holes. Make certain the tip of the screwdriver engages the head of the screw. Turn the screw counterclockwise until the screw is completely loose from the stock. When both screws are free, remove the comb.

3. Install the new comb to fit the rifle to your specifications. After making an adjustment hold the rifle to your shoulder to determine if the new comb comfortably provides correct eye-to-optics alignment. Remember to always keep the muzzle pointed in a safe direction, the safety in the “on safe” position and make certain the rifle is completely unloaded.

4. When you are satisfied with the comb height, start the screws through the pad and spacer(s) into the holes in the stock.

5. Attach the comb to the stock using the screwdriver. Turn the screws clockwise to tighten. Do not overtighten the screws.

FIGURE 12



Six shims are included with the FNAR (shim 2 is installed on the rifle).

17.3. ADJUSTING CAST AND DROP AT COMB

Six shims are included with your FNAR (Figure 12). The shims fit between the stock and receiver, allowing customized adjustments to the comb and heel. Each shim is labeled/stamped for a specific amount of adjustment. The neutral shim, No. 2, is already installed on your rifle.

Drop at comb is defined as the place on the comb that your cheek rests when taking aim. If drop at comb is correct, your eye naturally falls in line with the sight. Shims marked 1, 2 and 3 do not give any cast on or off. The stock remains straight. They only adjust drop at comb.

These shims with their respective stamps are further clarified here:

- Shim 1 raises the comb approximately $\frac{1}{16}$", and the heel approximately $\frac{1}{8}$".
- Shim 2 is neutral. This shim is already installed on the rifle.
- Shim 3 lowers the comb approximately $\frac{1}{16}$", and the heel approximately $\frac{1}{8}$".

Cast is the offset of the buttstock from the longitudinal center line of the firearm. Some right-handed shooters like the stock to angle away (cast off) from their face, making their line of sight more directly in line with the barrel. Angling the stock to the left for left-handed shooters is “cast on.”

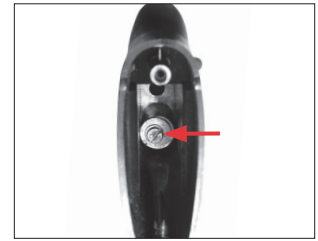
Shims marked 1R1L, 2R2L, and 3R3L, will all adjust drop at comb the same amount as shims 1, 2 and 3, and will also adjust the cast right or left approximately 1/8". You will notice that the two opposing edges of these spacers are different in thickness. For right-handed shooters, install shims between the receiver and the stock with the R facing the end of the buttstock, so its thicker side is on the left side. This casts the stock slightly to the right, away from the face of a right-handed shooter. If you turn the shim around so the L is facing the end of the buttstock, and it will cast the stock to the left. These shims with their respective stamps are further clarified below:

- Shim 1R1L raises the comb approximately 1/16", and the heel approximately 1/8" and will adjust the cast on or cast off approximately 1/8".
- Shim 2R2L adds the same amount of cast to the stock as shim 1R1L with neutral drop like shim 2.
- Shim 3R3L adds the same amount of cast to the stock as shims 1R1L and 2R2L, and lowers the comb approximately 1/16" and the heel approximately 1/8".

17.4. SHIM INSTALLATION

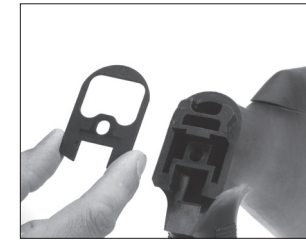
1. Make sure your rifle is completely unloaded and the "safety" is in the on safe position.
2. Use a #2 cross tip or Phillips screwdriver to remove the recoil pad at the end of the buttstock. Place a small amount of petroleum jelly on the screw access slits on the top and bottom of the rear of the buttstock to prevent damaging the recoil pad. Insert the screwdriver into each of the two access holes. Make certain the tip of the screwdriver engages the head of the screw. Turn the screw counterclockwise until the screw is completely loose from the stock. When both screws are free, remove the recoil pad.
3. Using a long standard screwdriver, turn the stock attachment screw counterclockwise (Figure 13).

FIGURE 13



Carefully remove the screw that secures the buttstock.

FIGURE 14



Install the selected shim(s) to customize the fit of the rifle

4. Completely remove the buttstock from the receiver, along with the existing shim, and install the shim you have selected (Figure 14). Make certain you have the proper shim installed and in the proper position before reattaching the buttstock and recoil pad.
5. When you are satisfied with the fit, reattach the buttstock to the receiver with the attachment screw, do not overtighten.
6. Attach the recoil pad with care, so as not to scratch or mar the finish of the stock.

18. CLEANING AND LUBRICATION

⚠WARNING

BEFORE PERFORMING CLEANING PROCEDURES, PLACE THE "SAFETY" IN THE ON SAFE POSITION. EJECT THE MAGAZINE, OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

⚠WARNING

WEAR EYE PROTECTION WHEN DISASSEMBLING AND CLEANING YOUR RIFLE TO PREVENT SPRINGS, SPRING-LOADED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

⚠WARNING

KEEP ALL AMMUNITION AWAY FROM THE CLEANING AREA. NEVER TEST THE MECHANICAL FUNCTION OF YOUR RIFLE WITH LIVE AMMUNITION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

18.1. CLEANING PROCEDURES

Your FNAR will function better and more reliably over a longer period of time if it is properly maintained and kept clean. Clean your firearm after every day of shooting, and more often if it becomes excessively dirty. A minimum cleaning includes wiping down the firearm and oiling key parts. Regular maintenance will also include cleaning the barrel.

If you encounter a function problem be sure to give your firearm a thorough cleaning to see if it solves the problem before seeking the services of the FNH USA Service Facility in Arnold, Missouri, or a qualified gunsmith.

1. Pull the bolt fully rearward with the operating handle and lift the bolt lock up to lock the bolt in the open position.

2. Inspect the chamber and bore for powder fouling. A normal amount of powder residue can be expected and is not serious. It can usually be removed with a patch saturated with nitro solvent.

   Clean the bore using an appropriate rifle cleaning rod with a tip and patch of the correct caliber to provide a snug fit in the bore. Insert the rod and patch into the barrel at the muzzle end and run it back and forth several times. Care should be exercised to ensure that neither the cleaning rod nor the handle strikes the crown of the muzzle, as damage to this area can adversely affect the accuracy of the rifle.

   A muzzle protector can be purchased separately from your local firearms dealer to help protect the muzzle crown while cleaning the barrel of your rifle.

   If, or when, fouling should become heavy, it can be removed with a brass bore brush. Dip or spray the brush with nitro solvent and scrub the chamber and bore until the fouling is removed. To prevent brass bristles from breaking off, the brush should be pushed completely through the barrel before being withdrawn.

NOTICE! **DO NOT USE A STAINLESS STEEL BRUSH TO CLEAN THE BORE. IT WILL DAMAGE THE CHROME PLATING.**

   To maintain the utmost accuracy of your rifle it is recommended you clean the bore with a copper solvent. Modern bullet jackets are made mainly of copper. Residues from copper bullet jackets stick to the barrel and require more frequent cleaning. Swab the bore of your rifle with a good copper solvent using the manufacturer's recommended procedure.

3. After all fouling has been removed, the chamber and bore should be wiped dry. When the bore is dry, pass a slightly oiled patch through it for preservation. A fine, light gun oil is recommended.

4. Inspect the barrel and chamber to be certain no patches have inadvertently been left in them. Remove any that remain.

5. Use a small brush or rag to remove dirt and foreign matter from inside the receiver and other parts of the action. Lightly lubricate all moving parts with a high-quality, light gun oil. Use oil sparingly, a very light film is sufficient. A fine, light gun oil is ideally suited for this purpose.

6. Wipe all exposed metal surfaces with a lightly oiled cloth making certain that all finger marks are removed. Finger marks provide a place where moisture can accumulate. The metal of the firearm should receive a light film of oil any time the rifle has been exposed to weather or handling.

19. CLEANING THE GAS SYSTEM

⚠WARNING

BEFORE PERFORMING DISASSEMBLY PROCEDURES, PLACE THE "SAFETY" IN THE ON SAFE POSITION. EJECT THE MAGAZINE, OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

⚠WARNING

WEAR EYE PROTECTION WHEN DISASSEMBLING AND CLEANING YOUR RIFLE TO PREVENT SPRINGS, SPRING-LOADED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

NOTICE! **THIS RIFLE IS A SPECIALIZED, FINELY-FITTED MECHANISM. YOU MAY DAMAGE IT BEYOND REPAIR OR LOSE SMALL PARTS BY ATTEMPTING TO DISASSEMBLE THE INNER MECHANISM ASSEMBLIES. IF FURTHER DISASSEMBLY FOR SERVICE OR CLEANING IS REQUIRED, SEND IT TO THE FNH USA SERVICE FACILITY IN ARNOLD, MISSOURI.**

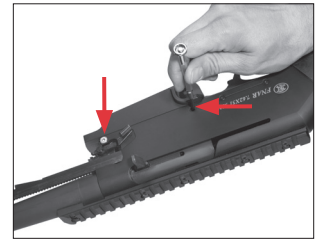
19.1. DISASSEMBLY

1. Make certain the rifle is completely unloaded and the "safety" is in the on safe position.
2. Be sure the bolt is in the forward position.
3. Use a screwdriver to remove the forearm attachment nut (Figure 15) located on the front of the forearm. Turn the forearm attachment nut counterclockwise.

FIGURE 15

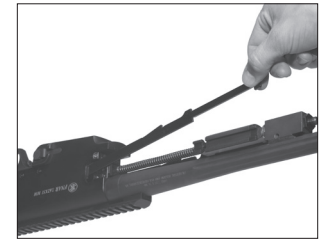
Carefully remove the forearm attachment nut with a screwdriver.

FIGURE 16



Remove the magazine block.

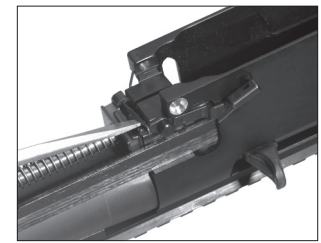
FIGURE 17



Pull the action bars forward and out of the receiver.

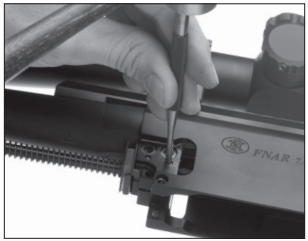
4. Firmly grasp the forearm and slide it forward and off the rifle.
5. Remove the magazine block by pushing the rear pin through and out of the receiver with a small punch. Use a 2.5mm Allen wrench to remove the two screws on either side of the magazine block (Figure 16).
6. Remove the left action bar (the side opposite the operating handle), by pulling the forward end away from its slot on the inertia block. Pull the action bar forward and out of the receiver (Figure 17).
7. Remove the right action bar by first releasing the bolt lock spring from the bolt lock using a flathead screwdriver (shown) or needle nose pliers (Figure 18). Remove the bolt lock pin and pull the bolt lock forward and out of the receiver. You can then pull the forward end of the right action bar away from the inertia block and lower and pull the action bar out of the receiver.

FIGURE 18



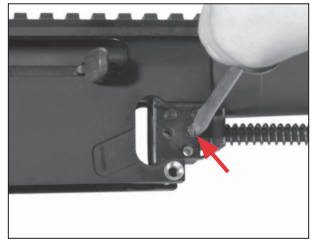
Release the bolt lock spring.

FIGURE 19



Tap out the pin from the left to the right side.

FIGURE 20



Remove the set screw that holds the action spring guide.

8. With a small punch, gently tap out the pin located to the rear of action spring guide set screw (Figure 19).

   IMPORTANT: The pin must be tapped out from the left to the right side.

9. Loosen and remove the set screw that holds the action spring guide in place using a standard screwdriver (Figure 20).

10. Pull the inertia block rearward against the action spring until the action spring guide is exposed (Figure 21).

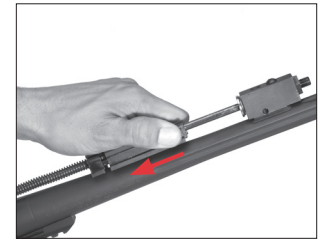
⚠WARNING

WEAR EYE PROTECTION WHEN DISASSEMBLING AND CLEANING YOUR RIFLE TO PREVENT SPRINGS, SPRING-LOADED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

11. Slide the action spring guide rearward, out of the piston, until the inertia block and action spring can be removed from the action spring guide (Figure 22).

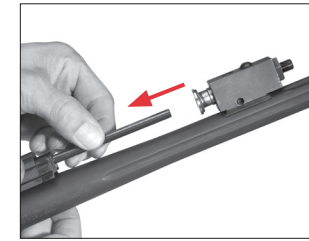
    IMPORTANT: Once you begin to slide the action spring guide rearward it may be useful to reach inside the magazine well and pull the action spring guide from the rear.

FIGURE 21



Pull the inertia block rearward until the action spring guide is exposed.

FIGURE 22



Slide the action spring guide rearward.

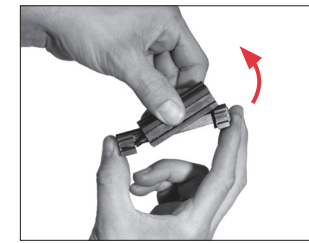
12. The inertia block can then be disassembled for cleaning by pulling back against the two plunger springs and lift up and outward (Figure 23). NOTE: The inertia block is under rigid spring tension and care should be taken to avoid pinched fingers and losing the plunger springs. Reassemble the inertia block by compressing the plunger springs against the frame on the side where the action spring fits and replacing the block downward over the frame.

13. Remove the piston by pulling it rearward out of the gas cylinder.

14. Remove any residue in the gas cylinder and on the gas piston with a good quality powder solvent or bore cleaner. If residue is heavy remove it by scrubbing the gas cylinder with a 20 gauge shotgun bronze wire bore brush and a good solvent.

    The gas piston, gas cylinder, and other parts covered by the forearm should be wiped with a

FIGURE 23



Compress the springs and separate the inertia block.

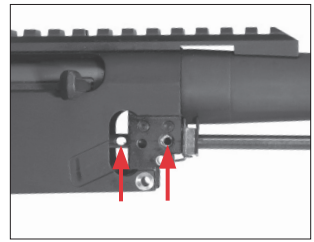
very lightly oiled cloth after cleaning. The gas cylinder interior and the gas piston should not be oiled beyond this.

⚠WARNING

WEAR EYE PROTECTION WHEN DISASSEMBLING AND CLEANING YOUR RIFLE TO PREVENT SPRINGS, SPRING-LOADED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

***NOTICE!* DO NOT USE TOO MUCH LUBRICANT. EXCESSIVE LUBRICATION COULD INTERFERE WITH THE FUNCTION OF YOUR RIFLE.**

FIGURE 24



Align the action spring guide hole with the set screw hole.

19.2. REASSEMBLY

1. Replace the gas piston in the gas cylinder.
2. Slide the action spring down the action spring guide and insert the action spring/action spring guide assembly through the inertia block and into the piston.

   IMPORTANT: At the rear of the action spring guide there is a hole that the set screw must pass through. When sliding the action spring guide into the piston make sure to align the hole on the action spring guide with the set screw hole on the receiver (Figure 24). It may be helpful to access the action spring guide through the magazine well to help align the hole in the action spring guide with the set screw hole.

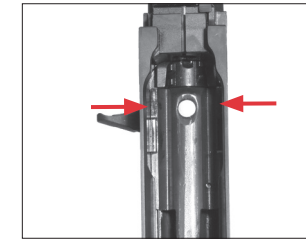
⚠WARNING

FAILURE TO TIGHTEN THE SET SCREW AGAINST THE INDEX MARK IN THE ACTION SPRING GUIDE COULD CAUSE THE FIREARM TO MALFUNCTION OR CAUSE SERIOUS INJURY TO YOU AND OTHERS.

3. Compress the spring and replace the recoil buffer assembly.
4. Replace the set screw, making sure the hole in the action spring guide is aligned with the set screw hole and the set screw through the hole in the action spring guide.
5. With a small punch, gently tap in the pin located to the rear of the action spring guide set screw.

   IMPORTANT: The pin must be tapped in from the right to the left side.
6. Install the magazine block by inserting it into the receiver and aligning the hole in the receiver with the holes in the magazine block and pushing the pin through the receiver. Use a 2.5mm Allen wrench to install the two screws on either side of the magazine block.

FIGURE 25



Insert the action bars into the slots on the bottom of the bolt.

7. Replace the right action bar by placing the bolt in the forward position. Place the projecting section of the action bar carefully in its corresponding slot in the bolt before the action bar is fit onto the inertia block (Figure 25). The action bars are interchangeable.
8. Replace the bolt lock. Align the hole in the bolt lock with the hole in the receiver and insert the bolt lock pin.
9. Secure the bolt lock spring onto the bolt lock using a standard screwdriver or needle nose pliers.
10. Replace the left action bar by placing the projecting section of the action bar carefully in its corresponding slot in the bolt before the action bar is fit onto the inertia block. It may be necessary to pull the inertia block slightly rearward to engage the action bars.

11. Replace the forearm by sliding it onto the receiver. Turn the forearm attachment nut in a clockwise direction until it is firmly seated into the receiver. Do not overtighten.

20. CLEANING THE TRIGGER GROUP

The trigger mechanism has been adjusted at the factory to provide a short, crisp pull consistent with safety and reliability. The trigger is a single-stage design with the weight of pull holding closely to four pounds. It is recommended that no attempt be made to change the weight of pull of the trigger.

This procedure should rarely, if ever, need to be performed. However, if the receiver area of your rifle should become excessively dirty or submerged in water it may be helpful to remove the trigger group and expose the inner cavity of the receiver for cleaning.

NOTICE! **DO NOT ALTER OR ATTEMPT TO DISASSEMBLE ANY PART OF THE TRIGGER GROUP OR REMOVE OR DISASSEMBLE THE BOLT MECHANISM.**

If any service of the trigger group or bolt becomes necessary, send your rifle to the FNH USA Service Center in Arnold, Missouri (page 39) or contact your departmental armorer.

20.1. TRIGGER GROUP REMOVAL

1. Be certain the rifle is completely unloaded and the “safety” is in the on safe position.
2. Release the bolt to its forward position.
3. Remove the magazine block as explained previously.
4. Push in the two trigger group pins from either the right or left side of the receiver. Use a drive punch or similar object, using care not to scratch the firearm’s receiver (Figure 26). Push the trigger group pins clear through the receiver and remove them.

FIGURE 26

Push the trigger group pins through the receiver.

FIGURE 27

Lift the trigger assembly from the receiver.

5. Grasp the trigger guard and pull the trigger assembly out of the receiver (Figure 27).
6. Perform any cleaning of the parts and receiver cavity as necessary. We suggest cleaning the trigger group with a quality aerosol gun solvent. Allow it to dry and then very lightly oil the moving parts.

NOTICE! **DO NOT DISASSEMBLE THE TRIGGER GROUP BEYOND THIS POINT. THIS IS A SPECIALIZED, FINELY FITTED MECHANISM; ANY ATTEMPT TO DISASSEMBLE THE INNER MECHANISM MAY DAMAGE IT FOR LIFE.**

20.2. TRIGGER GROUP INSTALLATION

1. Before reinstalling the trigger group, make sure that the bolt is fully forward and engaged in the locked position.
2. Visually check the “safety” on the trigger guard to make certain it is still in the on safe position.
3. Insert the trigger group back into the receiver, lining up the holes in the trigger group with the holes on each side of the receiver.
4. Insert the trigger group pins from either side of the receiver and gently tap them into place using care not to scratch the receiver.

Your firearm is now fully assembled. Immediately confirm that the “safety” is in the on safe position. Take time to wipe down and clean all external surfaces as explained under “Cleaning and Maintenance Suggestions.”

NOTICE! **DO NOT TAKE YOUR FIREARM’S ACTION APART BEYOND WHAT IS EXPLAINED IN THIS OWNER’S MANUAL. THIS IS A SPECIALIZED, FINELY FITTED MECHANISM; ANY ATTEMPT TO DISASSEMBLE THE INNER MECHANISM MAY DAMAGE IT FOR LIFE. IT IS UNNECESSARY, AND MAY DO DAMAGE TO THE INNER MECHANISM TO DISASSEMBLE IT FOR ROUTINE CLEANING AND OILING. OF COURSE, MISFORTUNES (SUCH AS DROPPING YOUR FIREARM IN WATER) REQUIRE APPROPRIATE ATTENTION, AND IN SUCH CIRCUMSTANCES WE RECOMMEND YOU IMMEDIATELY TAKE YOUR FIREARM TO A QUALIFIED GUNSMITH.**

21. BOLT MAINTENANCE

⚠WARNING

BEFORE REMOVING THE BOLT, PLACE THE “SAFETY” IN THE ON SAFE POSITION. EJECT THE MAGAZINE, OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

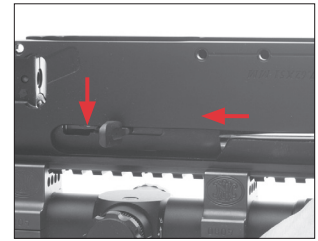
⚠WARNING

WEAR EYE PROTECTION WHEN DISASSEMBLING AND CLEANING YOUR RIFLE TO PREVENT SPRINGS, SPRING-LOADED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

21.1. BOLT REMOVAL

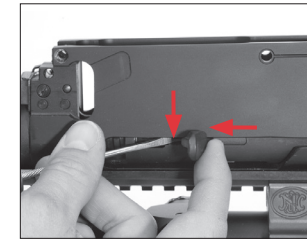
1. Make certain the rifle is completely unloaded and the “safety” is in the on safe position.

FIGURE 28



Push the bolt cover forward until the slot in the bolt is exposed..

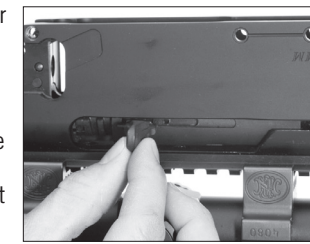
FIGURE 29



Lift up on the operating handle catch and slide the operating handle forward.

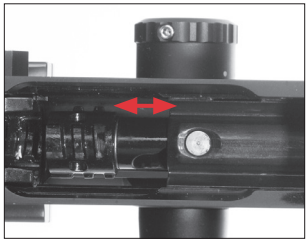
2. Be sure the bolt is in the forward position.
3. Remove the forearm as explained in Sections 19.1.3-19.1.4
4. Remove the magazine block as explained in Section 19.1.5.
5. Remove the action bars as explained in Sections 19.1.6-7.
6. Remove the trigger group as explained in Section 20.1.
7. Remove the operating handle by first sliding the bolt rearward approximately ¾" to unlock the bolt from the barrel.
8. Use a small standard screwdriver to push the bolt sleeve forward far enough to allow the operating handle to be removed (Figure 28).
9. Use a small standard screwdriver to lift the catch on the front of the operating handle (Figure 29). Pull the operating handle from the bolt (Figure 30).

FIGURE 30



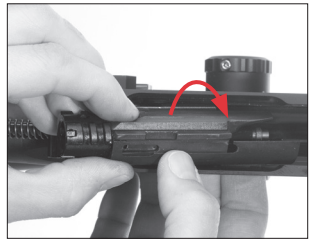
Slide the operating handle forward to the opening in the bolt cover and pull straight out.

FIGURE 31



The bolt must be fully extended

FIGURE 32



Carefully rotate the bolt out of the receiver.

10. Fully extend the bolt to disengage the camming latch (Figure 31).

11. With the ejection port facing down, put your fingers through the ejection port and carefully rotate the top of the bolt towards the bottom of the rifle, out of the bolt rails. When the bolt is out of the rails, push the bolt to the rear of the rifle and continue to rotate the bolt until it comes out of the receiver (Figure 32).

21.2. CLEANING THE BOLT

⚠WARNING

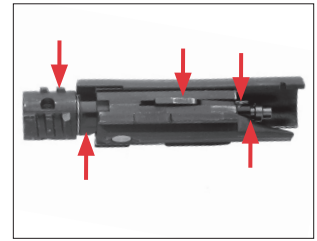
WEAR EYE PROTECTION WHEN CLEANING THE BOLT TO PREVENT SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

NOTICE! **DO NOT DISASSEMBLE THE BOLT. THIS IS A SPECIALIZED, FINELY FITTED MECHANISM; ANY ATTEMPT TO DISASSEMBLE THE BOLT MAY PERMANENTLY DAMAGE IT.**

1. Clean the bolt by spraying it with a quality aerosol gun cleaning solvent that will not adversely affect the metal components.

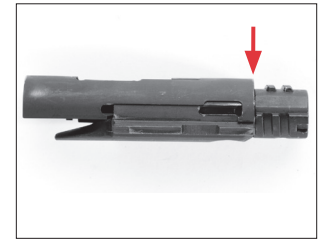
2. Drain the solvent and residue from the bolt.

FIGURE 33



Lubricate the bolt at the points shown.

FIGURE 34



Slide the bolt cover to the rear of the bolt carrier prior to installation.

3. Use compressed air to dry the bolt or allow it to air dry.

4. Lightly oil all moving surfaces on the bolt including the bolt head, locking lugs, camming latch and firing pin (Figure 33).

NOTICE! **DO NOT USE TOO MUCH LUBRICANT. EXCESSIVE LUBRICATION COULD INTERFERE WITH THE FUNCTION OF YOUR RIFLE.**

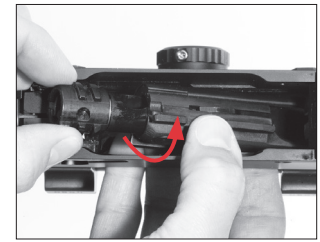
21.3. BOLT INSTALLATION

1. Prior to installing the bolt, lightly lubrication the guide rails in the receiver on which the bolt slides.

2. Align the front of the bolt carrier and the front of the bolt cover by sliding the bolt cover completely rearward (Figure 34).

3. Fully extend the bolt to collapse the camming latch and insert the bolt into and to the rear of the receiver (Figure 35).

FIGURE 35

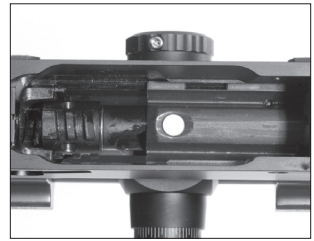


Carefully rotate the bolt into place in the receiver.

Carefully rotate the back of the bolt to the top of the receiver until is in place on the receiver guide rails (Figure 36).

When the bolt is installed correctly it will slide freely on the receiver guide rails and the bolt head will lock and unlock into battery as the bolt is slid forward and rearward.

FIGURE 36



The bolt shown correctly positioned.

4. Slide the bolt rearward approximately ¾" to unlock the bolt from the barrel.
5. Use a small standard screwdriver to push the bolt sleeve forward far enough to allow the operating handle to be installed.
6. Place the operating handle in the bolt and slide the operating handle to the rear until it locks into place.
7. Install the trigger group as explained in Section 20.2.
8. Install the action bars as explained in Sections 19.2.6-9.
9. Install the magazine block as explained in Section 19.2.5.
10. Install the forearm as explained in Sections 19.2.10.

22. MAGAZINE MAINTENANCE

⚠WARNING

WEAR EYE PROTECTION SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.

We do not recommend disassembling the magazine. Frequently inspect magazines to determine the need for cleaning as lubricant and dirt will gradually collect in the mechanism.

NOTICE! **DO NOT TAMPER WITH THE ASSEMBLY PIN ON THE BOTTOM OF THE MAGAZINE. DOING SO WILL RENDER THE MAGAZINE INOPERATIVE.**

22.1. CLEANING THE MAGAZINE

1. Clean the magazine by spraying it with a gun cleaning solvent that will not adversely affect the polymer magazine follower or corrode the metal components. Spray the magazine with this solvent, both inside and out, to loosen debris.
2. Drain the solvent and residue from inside the magazine.
3. Use compressed air to dry the magazine, or allow it to air dry, and lightly oil.

23. TAKING CARE OF THE RIFLE

NOTICE! **YOUR RIFLE SHOULD BE INSPECTED EVERY 2000 ROUNDS AND/OR ONCE A YEAR BY A QUALIFIED GUNSMITH OR THE FNH USA PRODUCT SERVICE CENTER BECAUSE DAMAGE, WEAR AND CORROSION ARE NOT ALWAYS VISIBLE FROM THE OUTSIDE. LAW ENFORCEMENT AND MILITARY PERSONNEL SHOULD CONTACT THEIR DEPARTMENTAL ARMORER WHO WILL INSPECT THE RIFLE ON A YEARLY BASIS.**

***NOTICE!* IF THE OPERATION OF THE RIFLE SEEMS ABNORMAL, REPORT IT TO YOUR DEALER OR DEPARTMENTAL ARMORER IMMEDIATELY.**

- Always keep the rifle in immaculate condition and good working order.
- Always clean and lubricate the rifle after use.
- Regularly inspect the rifle, its parts and accessories.

24. SERVICE POLICY

FNH USA products are serviced by the FNH USA Product Service Center in Arnold, Missouri.

Please call (800) 635-1321 to discuss any product repair requirements.

Shipping Address:
FNH USA Product Service Center
3005 Arnold Tenbrook Road
Arnold, MO 63010-4728

25. WARRANTY OR SERVICE

If your FNH USA product should require service or repairs, we suggest you contact the FNH USA Product Service Center in Arnold, Missouri. Law enforcement and military users should contact their department or unit armorer.

For technical questions about your firearm or service, contact:

FNH USA Product Service Center
3005 Arnold Tenbrook Road
Arnold, MO 63010-4728
Phone: (800) 635-1321

When returning your FNH USA firearm for servicing you must do the following:

1. Be sure it is completely unloaded.
2. Remove the scope, optics or accessories.
3. Package it securely in a cardboard container.
4. Enclose the service/repair form available at www.fnhusa.com or a letter that clearly describes the trouble experienced, the ammunition used and the repairs desired. Also include your name and a daytime phone number where you can be reached.

5 If convenient, send a copy of the service/repair form or letter to us separately.

6. Never return ammunition with your firearm. It is against postal and most commerce regulations.

If you have any questions about this owner's manual or other FNH USA products, contact:

FNH USA, LLC
Commercial and Law Enforcement Sales
Phone (703) 288-1292, extension 122
Or visit us online at www.fnhusa.com

IF YOU DO NOT UNDERSTAND THE INSTRUCTIONS FOR OPERATING YOUR FNH USA FIREARM, IT IS YOUR RESPONSIBILITY TO CONTACT THE FNH USA PRODUCT SERVICE CENTER AT (800) 635-1321 BEFORE USING THE FIREARM.

This owner's manual should always accompany this rifle and be transferred with it upon any change of ownership.

26. TECHNICAL SPECIFICATIONS

Caliber	:	7.62x51mm NATO (308 Win.)
Type of fire	:	Autoloader
Trigger pull	:	3.25-5.50 lbs.
Weight	:	FNAR Standard W/O mag. : 8.25 lbs. FNAR Heavy W/O mag. : 9.25 lbs. FNAR Standard W/ 10-round mag. : 8.75 lbs. FNAR Heavy W/ 10-round mag. : 9.75 lbs. FNAR Standard W/ 20-round mag. : 9.00 lbs. FNAR Heavy W/ 20-round mag. : 10.0 lbs.
Length	:	41.50"
Height	:	7.50"
Barrel length	:	20"
Twist and direction	:	1:12", right-hand
Magazine capacity	:	10-rounds (limited-capacity magazine) 20-rounds (high-capacity magazine)

All specifications subject to changes without notice.

FNH USA
www.fnhusa.com

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